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PATENT NO. : 7,545,765 B2

APPLICATION NO.: 10/729,846

ISSUE DATE : June 9, 2009

INVENTOR(S) : Larsson, et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 2, Line 55, delete "die" and insert - - the - -, therefor.

In Column 4, Line 35, delete "weights" and insert - - weights, - -, therefor.

In Column 5, Line 54, delete "arc" and insert - - are - -, therefor.

In Column 6, Line 21, delete "delay," and insert - - delay; - -, therefor.

In Column 6, Line 34, delete "a" before "Whenever".

In Column 6, Line 37, delete "a" before "Reduced".

In Column 8, Line 6, delete "cach" and insert - - each - -, therefor.

In Column 8, Line 44, delete "please." and insert - - phase. - -, therefor.

In Column 9, Lines 44-54, delete "The rate may be an explicit value.....set of subcarriers for a user." and insert the same in Line 43, after "the rate instead." as a continuation of the paragraph.

In Column 10, Line 37, delete "arc" and insert - - are - -, therefor.

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In Column 11, Line 16, delete "weights" and insert - - weights. - -, therefor.

In Column 13, Line 13, delete " ϕ_1 " and insert - - ϕ_i - -, therefor.

 $\arg \left\{ \begin{array}{c} opt \ \{f\} \\ J_i, \Phi_l, \Psi \end{array} \right\}_{,i}$ In Column 13, Line 18, in Equation, delete " $J_i, \Phi_l, \Psi \subset J_i, \Phi_l, \Psi \subset J_i$

In Column 13, Line 27, in Equation, delete

 $\left\{ \begin{array}{l} opt \{f\} \\ J_i, \Phi_l, \Psi \end{array} \right\}_{\text{ond insert}} \quad \left\{ \begin{array}{l} opt \\ I, \Phi, \Psi \end{array} \right\}$ In Column 13, Line 34, in Equation, delete

therefor.

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In Column 13, Line 43, in Equation, delete " $\binom{opt}{J_i, \Phi_i, \Psi}$ and $\binom{opt}{J_i, \Phi_i, \Psi}$ --, therefor.

In Column 13, Line 54, delete " $C^{(\phi i)}$ " and insert - - $C_i^{(\phi i)}$ - -, therefor.

In Column 13, Line 55, delete " $\phi_i \in \Phi$." and insert -- $\varphi_i \in \Phi_i$. --, therefor.

In Column 14, Line 12, delete "executed" and insert - - executed. - -, therefor.

In Column 15, Line 55, in Equation, delete " $Z = R \cdot B \cdot lg_2 \left(1 + \frac{P \cdot Const}{R^{tx} \cdot N}\right)$," and

insert - - $Z = R \cdot B \cdot \lg_2 \left(1 + \frac{P \cdot Const}{R^{\alpha} \cdot N} \right)$, - -, therefor.

In Column 15, Line 59, delete "ais" and insert - - α is - -, therefor.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 16, Line 64, delete "fill" and insert - - full - -, therefor.

In Column 17, Line 10, delete "die" and insert - - the - -, therefor.

In Column 17, Line 11, delete "protocol," and insert - - protocol - -, therefor.

In Column 17, Line 16, delete "ti," and insert - - t₁, - -, therefor.

In Column 17, Line 50, delete "Unit" and insert - - unit - -, therefor.

In Column 18, Line 30, delete "die" and insert - - the --, therefor.

In Column 18, Line 63, delete "die" and insert - - the --, therefor.

In Column 18, Line 67, delete "it" and insert - - is - -, therefor.

In Column 19, Line 44, delete "Tile" and insert - - The - -, therefor.

In Column 21, Line 4, delete "node" and insert - - node. - -, therefor.

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It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 22, Lines 5-11, delete "Yet, in reference [8], anopportunistic link adaptation." and insert the same in Line 3, after "transmission." as a continuation of the paragraph.

In Column 22, Line 66, delete "SNR_kdefined" and insert - - SNR_k defined - -, therefor.

In Column 23, Line 30, delete "IEEE," and insert - - IEEE - -, therefor.

In Column 24, Line 49, in Claim 9, delete "farther" and insert - - further - -, therefor.

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